This listing of claims will replace all prior version, and listings, of claims in the

application:

Listing of Claims:

Cancel claims 1-29.

30. (original) A method for treating Schlemm's Canal of an eye comprising inserting a

flexible microcannula based microsurgical device with an outer diameter of no more than

500 microns into Schlemm's Canal and applying suction at a level of at least 4 inches of

Hg.

31. (original) A method for treating Schlemm's Canal of the eye as described in claim 30

wherein the microcannula comprises one or more openings directed toward an inner radius

thereof to treat specific tissues adjacent to Schlemm's Canal.

32. (original) A method for treating Schlemm's Canal of the eye as described in claim 30

wherein the microcannula additionally comprises an inner member that acts to remove

tissue.

33. (currently amended) A method for treating Schlemm's Canal of an eye comprising the

steps of:

(a) inserting a flexible microcannula with an outer diameter of no more than 350 microns

into Schlemm's Canal;

(b) injecting a flowable material to expand at least a segment of Schlemm's Canal to

facilitate microcannula access;

(c) removing the microcannula;

(d) inserting a microcannula based microsurgical device with an outer diameter of no more

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than 500 microns into the expanded segment of Schlemm's Canal;

(e) and effecting a modification in the tissues adjacent to Schlemm's Canal to increase

aqueous outflow.

34. (original) The method of treating Schlemm's Canal of the eye of claim 33 wherein step

(e) comprises removal of tissues from the inner wall of Schlemm's Canal.

35. (original) The method of treating Schlemm's Canal of the eye of claim 33 wherein step

(e) comprises placing of an implant at least partially residing in Schlemm's Canal.

36. (new) A method for treating Schlemm's Canal of the eye as described in claim 30

wherein the suction is applied through a lumen in the flexible microcannula.

37. (new) A method for treating Schlemm's Canal of the eye as described in claim 30

wherein the suction is applied through a lumen in an inner member inserted through the

flexible microcannula.

38. (new) A method for treating Schlemm's Canal of the eye as described in claim 30

wherein the flexible microcannula has a curvature, and wherein the suction is applied

through a lumen in the flexible microcannula that is connected to at least one opening in

the flexible microcannula directed toward an inner radius of the curvature to treat tissues

adjacent to an inner wall of Schlemm's Canal.

39. (new) A method for treating Schlemm's Canal of the eye as described in claim 38

further comprising:

moving an inner member with respect to the at least one opening in the flexible

microcannula while the suction is applied to remove tissue intruding through the at least

one opening.

40. (new) A method for treating Schlemm's Canal of the eye as described in claim 39

wherein the inner member includes a cutting element to remove tissue intruding through

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the at least one opening.

41. (new) A method for treating Schlemm's Canal of the eye as described in claim 39

wherein the inner member includes an abrading tool to remove tissue intruding through the

at least one opening.

42. (new) A method for treating Schlemm's Canal of the eye as described in claim 39

wherein the inner member includes a sharpened distal end to remove tissue intruding

through the at least one opening.

43. (new) A method for treating Schlemm's Canal of the eye as described in claim 42

wherein moving the inner member with respect to the at least one opening in the flexible

microcannula while the suction is applied includes rotating the inner member to remove

tissue intruding through the at least one opening.

44. (new) A method for treating Schlemm's Canal of the eye as described in claim 39

wherein the tissue removed includes at least one of the trabecular meshwork and

juxtacanalicular tissues adjacent to the inner radius of Schlemm's Canal.

45. (new) A method for treating Schlemm's Canal of the eye as described in claim 30

further comprising:

moving an inner member with respect to the flexible microcannula to cause a flap on the

inner member to protrude outward through an opening in the flexible microcannula to

pierce tissue adjacent to the flexible microcannula.

46. (new) A method for treating Schlemm's Canal of the eye as described in claim 38

wherein the curvature of the flexible microcannula is approximately 10-15 mm in diameter.

47. (new) A method for treating Schlemm's Canal of the eye as described in claim 30

further comprising:

inserting an inner member through the flexible microcannula having a signaling beacon on

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a distal end thereof.

48. (new) A method for treating Schlemm's Canal of the eye as described in claim 30

wherein the flexible microcannula has a plurality of lumens and the suction is applied

through at least one of the lumens in the flexible microcannula.

49. (new) A method for treating Schlemm's Canal of the eye as described in claim 30

wherein the flexible microcannula has a plurality of lumens and at least one of the lumens

is connected to at least one opening in the flexible microcannula; and wherein the suction is

applied through the lumen connected to the at least one opening in the flexible

microcannula.

50. (new) A method for treating Schlemm's Canal of the eye as described in claim 49

wherein the flexible microcannula has a curvature, and wherein the at least one opening in

the flexible microcannula is directed toward an inner radius of the curvature to treat tissues

adjacent to an inner wall of Schlemm's Canal.

51. (new) A method for treating Schlemm's Canal of the eye as described in claim 30

further comprising:

expanding an expandable member on the flexible microcannula to provide stabilization of

the flexible microcannula and surrounding tissues.

52. (new) A method for treating Schlemm's Canal of the eye as described in claim 30

further comprising:

expanding an expandable member on the flexible microcannula to apply tension to tissues

surrounding the flexible microcannula.

53. (new) A method for treating Schlemm's Canal of the eye as described in claim 30

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further comprising:

expanding a first expandable member on the flexible microcannula;

expanding a second expandable member on the flexible microcannula;

moving the first expandable member with respect to the second expandable member to

apply tension to tissues surrounding the flexible microcannula.

54. (new) A method for treating Schlemm's Canal of the eye as described in claim 30

wherein the flexible microcannula is inserted through at least 180 degrees of Schlemm's

Canal.

55. (new) The method of treating Schlemm's Canal of the eye of claim 33 further

comprising:

(f) expanding an expandable member on the microcannula based microsurgical device to

provide stabilization of the microcannula based microsurgical device and surrounding

tissues.

56. (new) The method of treating Schlemm's Canal of the eye of claim 33 further

comprising:

(f) expanding an expandable member on the microcannula based microsurgical device to

apply tension to tissues surrounding the microcannula based microsurgical device.

57. (new) The method of treating Schlemm's Canal of the eye of claim 33 further

comprising:

(g) expanding a first expandable member on the microcannula based microsurgical device;

(h) expanding a second expandable member on the microcannula based microsurgical

device;

(i) moving the first expandable member with respect to the second expandable member to

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apply tension to tissues surrounding the microcannula based microsurgical device.

58. (new) The method of treating Schlemm's Canal of the eye of claim 33 further

comprising:

(j) applying a suction of at least 4 inches of Hg through the microcannula based

microsurgical device.

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59. (new) The method of treating Schlemm's Canal of the eye of claim 58 wherein the

microcannula based microsurgical device has a curvature, and wherein the suction is

applied through a lumen in the microcannula based microsurgical device that is connected

to at least one opening in the microcannula based microsurgical device directed toward an

inner radius of the curvature to treat tissues adjacent to an inner wall of Schlemm's Canal.

60. (new) The method of treating Schlemm's Canal of the eye of claim 59 further

comprising:

(k) moving an inner member with respect to the at least one opening in the microcannula

based microsurgical device while the suction is applied to remove tissue intruding through

the at least one opening.

61. (new) The method of treating Schlemm's Canal of the eye of claim 60 wherein the inner

member includes a cutting element to remove tissue intruding through the at least one

opening.

62. (new) The method of treating Schlemm's Canal of the eye of claim 60 wherein the inner

member includes an abrading tool to remove tissue intruding through the at least one

opening.

63. (new) The method of treating Schlemm's Canal of the eye of claim 60 wherein the inner

member includes a sharpened distal end to remove tissue intruding through the at least one

opening.

64. (new) The method of treating Schlemm's Canal of the eye of claim 59 further

comprising:

(k) rotating an inner member with respect to the at least one opening in the microcannula

based microsurgical device while the suction is applied to remove tissue intruding through

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the at least one opening.